

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) A recording and reproducing apparatus comprising a reading ~~means-unit~~ that reads content including AV data or application programs/data; a recording ~~means-unit~~ that records the read content; and a processing ~~means-unit~~ that reproduces or executes the recorded content, wherein the processing ~~means-unit~~ adds different access constraints to any content that can be reproduced or executed by the recording and reproducing apparatus depending on the process of the content.
2. (Currently Amended) The recording and reproducing apparatus of claim 1, comprising an external interface to connect an external recording medium recording the content or to connect a server recording the content via network, wherein the processing ~~means-unit~~ has an installation processing ~~means-unit~~ that installs the content recorded in the external recording medium or the server connected with the external interface into a certain area of the recording ~~means-unit~~.
3. (Currently Amended) The recording and reproducing apparatus of claim 2, wherein the installation processing ~~means-unit~~ permits only the content allowed to be installed in the external recording medium or the server connected with the external interface to be installed into the certain area of the recording ~~means-unit~~.
4. (Currently Amended) The recording and reproducing apparatus of claim 2, wherein the processing ~~means-unit~~ instructs the installation processing ~~means-unit~~ to install based on an installation instruction from the content reproduced or executed by the recording and reproducing apparatus and wherein the writing process to the certain area cannot be executed by other than the installation processing ~~means-unit~~.

5. (Currently Amended) The recording and reproducing apparatus of claim 2, ~~any one of claims 2 to 4~~, wherein when the recording and reproducing apparatus reproduces or executes any content, the processing ~~unit~~ makes the content unable to access other or all contents recorded in the external recording medium.

6. (Currently Amended) The recording and reproducing apparatus of claim 2, ~~any one of claims 2 to 4~~, wherein when the recording and reproducing apparatus reproduces or executes any content, the processing ~~means-unit~~ makes the content unable to access other or all contents installed in the recording ~~means-unit~~.

7. (Currently Amended) The recording and reproducing apparatus of claim 2, ~~any one of claims 2 to 4~~, comprising a memory that is an execution area of the content, wherein the processing ~~means-unit~~ has a load processing ~~means-unit~~ that loads the executable content recorded in the recording ~~means-unit~~, the external recording medium, or the server into the memory.

8. (Currently Amended) The recording and reproducing apparatus of claim 7, wherein the processing ~~means-unit~~ instructs the load processing ~~means-unit~~ to load based on a load instruction from the content reproduced or executed by the recording and reproducing apparatus and wherein the load process cannot be executed by other than the load processing ~~means-unit~~.

9. (Currently Amended) The recording and reproducing apparatus of claim 7, ~~claim 7 or 8~~, wherein when the recording and reproducing apparatus reproduces or executes any content, the processing ~~means-unit~~ makes the content unable to access other or all contents loaded in the memory.

10. (Currently Amended) The recording and reproducing apparatus of claim 7, ~~claim 7 or 8~~, wherein the recording ~~means-unit~~ has programs and data necessary for reproducing or executing the content that are regarded as one package and recorded on a package-by-package basis, wherein the load processing ~~means-unit~~ loads at least all or

some of the programs constituting an any package recorded in the recording means-unit into the memory, and wherein when reproducing or executing all or some of the programs constituting the package that are loaded into the memory, the processing means-unit makes the reproduced or executed programs unable to access packages other than the package including the programs.

11. (Currently Amended) The recording and reproducing apparatus of claim 7, ~~claim 7 or 8~~, wherein when the recording and reproducing apparatus reproduces or executes any content, the processing means-unit completely prohibits the reproduced or executed content from accessing the recording means-unit, the external recording medium, the server, and the memory.

12. (Currently Amended) The recording and reproducing apparatus of claim 1, ~~any one of claims 1 to 11~~, wherein when the recording and reproducing apparatus reproduces or executes any content, the processing means-unit constrains the access of the content depending on the reliability of the content.

13. (Currently Amended) The recording and reproducing apparatus of claim 12, wherein the reliability of the content is set based on any one or more of a description language of the program, a recording medium that is a read source of the content read by the reading means-unit, and a network address that is a read source of the content read by the reading means-unit.

14. (Currently Amended) A file accessing method for accessing content configuration files with the use of a recording and reproducing apparatus comprising a reading means-unit that reads content including AV data or application programs/data, a recording means-unit that records the read content, and a processing means-unit that reproduces or executes the recorded content, wherein different access constraints are added to any content that can be reproduced or executed by the recording and reproducing apparatus depending on the process of the content.

15. (Currently Amended) The file accessing method of claim 14, wherein the content recorded in the external recording medium or the server is read and wherein the read content is installed into a certain area of the recording means-unit.

16. (Currently Amended) The file accessing method of claim 15, wherein only the content allowed to be installed in the external recording medium or the server is allowed to be installed into the certain area of the recording means-unit.

17. (Currently Amended) The file accessing method of claim 15, wherein an installation processing means-unit provided in the processing means-unit is instructed to install based on an installation instruction from the content reproduced or executed by the recording and reproducing apparatus and wherein the writing process to the certain area of the recording means-unit cannot be executed by other than the installation processing means-unit.

18. (Currently Amended) The file accessing method of ~~claim 15, any one of claims 15 to 17,~~ wherein when the recording and reproducing apparatus reproduces or executes any content, the content is made unable to access other or all contents recorded in the external recording medium.

19. (Currently Amended) The file accessing method of ~~claim 15, any one of claims 15 to 17,~~ wherein when the recording and reproducing apparatus reproduces or executes any content, the content is made unable to access other or all contents installed in the recording means-unit.

20. (Currently Amended) The file accessing method of ~~claim 15, any one of claims 15 to 17,~~ wherein the executable content recorded in the recording means-unit, the external recording medium, or the server is loaded into a memory provided in the recording and reproducing apparatus.

21. (Currently Amended) The file accessing method of claim 20, wherein a load processing ~~means-unit~~ provided in the processing ~~means-unit~~ is instructed to load based on a load instruction from the content reproduced or executed by the recording and reproducing apparatus and wherein the load process cannot be executed by other than the load processing ~~means-unit~~.

22. (Currently Amended) The file accessing method of ~~claim 20, claim 20 or 21,~~ wherein when the recording and reproducing apparatus reproduces or executes any content, the content is made unable to access other or all contents loaded in the memory.

23. (Currently Amended) The file accessing method of ~~claim 20, claim 20 or 21,~~ wherein the recording ~~means-unit~~ has programs and data necessary for reproducing or executing the content that are regarded as one package and recorded on a package-by-package basis, wherein at least all or some of the programs constituting an any package recorded in the recording ~~means-unit~~ are loaded into the memory, and wherein when reproducing or executing all or some of the loaded programs constituting the package, the reproduced or executed programs are made unable to access packages other than the package including the programs.

24. (Currently Amended) The file accessing method of ~~claim 20, claim 20 or 21,~~ wherein when the recording and reproducing apparatus reproduces or executes any content, the content is completely prohibited from accessing the recording ~~means-unit~~, the external recording medium, the server, and the memory.

25. (Currently Amended) The file accessing method of ~~claim 14, any one of claims 14 to 24,~~ wherein when the recording and reproducing apparatus reproduces or executes any content, the access of the content is constrained depending on the reliability of the content.

26. (Currently Amended) The file accessing method of claims 25, wherein the reliability of the content is set based on any one or more of a description language of the

program, a recording medium that is a read source of the content read by the reading means-unit, and a network address that is a read source of the content read by the reading means-unit.

27. (Original) An AV data managing method for managing AV data reproduction process with the use of management information of the AV data, the method comprising an associated AV data/management information acquiring step of acquiring a plurality of associated AV data associated with AV data recorded in a recording medium as well as management information of the AV data that has associated management information added for managing the reproduction process of the associated AV data; a recording step of recording the obtained plurality of the associated AV data and the management information of the AV data into a certain recording area; and a reproduction controlling step of concurrently reproducing and controlling the AV data recorded in the recording medium and the associated AV data recorded in the recording area in accordance with the recorded management information.

28. (Original) The AV data managing method of claim 27, wherein as a result of retrieving the AV data management information that can be obtained at the associated AV data/management information acquiring step and the AV data management information already recorded at the recording step, it is determined that the management information with the largest number of pieces of the added associated management information is the latest, and wherein at the reproduction controlling step, the AV data and the associated AV data are concurrently reproduced and controlled with the use of the determined latest management information.

29. (Currently Amended) The AV data managing method of ~~claim 27, claim 27 or 28,~~ comprising a determining step of determining whether or not the associated AV data corresponding to each piece of the associated management information included in the AV data management information recorded at the recording step are recorded in a certain recording area, wherein if the associated AV data are not recorded in the

recording area as a result, the associated management information corresponding to the associated AV data is disabled.

30. (Original) The AV data managing method of claim 29, comprising a deleting step of selectively deleting only the associated AV data recorded in the recording area out of the associated AV data that are managed by the AV data management information obtained at the associated AV data/management information acquiring step.

31. (Original) An AV data management information producing/providing method wherein when associated AV data associated with AV data recorded in a recording medium are produced, management information of the AV data having associated management information added correspondingly to the associated AV data is produced to enable the produced associated AV data and the AV data management information to be provided.

32. (Currently Amended) A recording and reproducing apparatus having an external device interface that reads AV data recorded in the recording medium and a network interface that connects with a server that records a plurality of associated AV data associated with the AV data recorded in the recording medium, wherein the recording and reproducing apparatus comprises a downloading means-unit that downloads the plurality of the associated AV data as well as management information of the AV data that has associated management information added for managing the reproduction process of the associated AV data from the server into a certain recording area; and a reproduction controlling means-unit that concurrently reproduces and controls the AV data recorded in the recording medium and the downloaded associated AV data in accordance with the downloaded management information.

33. (Currently Amended) The recording and reproducing apparatus of claim 32, wherein as a result of retrieving the AV data management information recorded in the server and the AV data management information already recorded in the recording area, it is determined that the management information with the largest number of pieces of the

added associated management information is the latest, and wherein the reproduction controlling ~~means-unit~~ concurrently reproduces and controls the AV data and the associated AV data with the use of the determined latest management information.

34. (Currently Amended) The recording and reproducing apparatus of claim 32, ~~claim 32 or 33~~, comprising a determining ~~means-unit~~ that determines whether or not the associated AV data corresponding to each piece of the associated management information included in the AV data management information downloaded by the downloading ~~means-unit~~ are downloaded into the recording area, wherein if the associated AV data are not downloaded into the recording area as a result, the associated management information corresponding to the associated AV data is disabled.

35. (Currently Amended) The recording and reproducing apparatus of claim 34, comprising a deleting ~~means-unit~~ that selectively deletes only the associated AV data downloaded into the recording area out of the associated AV data that are managed by the AV data management information downloaded by the downloading ~~means-unit~~.

36. (Currently Amended) A server that can be connected to the recording and reproducing apparatus of claim 32, ~~any one of claims 32 to 35~~, wherein when associated AV data associated with AV data recorded in a recording medium are produced, management information of the AV data having associated management information added correspondingly to the associated AV data is produced to enable the produced associated AV data and the AV data management information to be provided.